

United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number ST02648NY-D

This certificate, issued to Delta Engineering
13 DRBA Way
New Castle County Airport
New Castle, Delaware 19720

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

Original Product — Type Certificate Number: A3WE
Make: Boeing
Model: 727-100, -100C, -200, -200F Series

Description of Type Design Change:

Installation of provision for dual navAero Electronic Flight Bags in accordance with Delta Engineering Master Data List 0105-06610-2209 Revision F dated Nov. 17, 2009 or later FAA approved revisions to Delta Engineering Master Data List previously listed. The Instructions for Continued Airworthiness and Airplane Flight Manual Supplement as listed on Master Data List is required for this installation.

Limitations and Conditions:

1. If the holder agrees to permit another person to use the certificate to alter the product, the holder shall give the other person written evidence of that permission.
2. Compatibility of this design change with previously approved modifications must be determined by the installer.
3. Applications loaded on the EFB must have proper FAA approval; this STC does not approve the use of applications or approve the installation of the navAero display or docking station. This equipment is considered portable electronic devices or carry-on equipment.

(See Continuation Sheet 2)

This certificate and the supporting data which is the basis for approval shall remain in effect surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: Aug. 16, 2009

Date reissued:

Date of issuance: November 19, 2009

Date amended:



By direction of the Administrator

Jonathan E. Moritz
ODA Administrator
Delta Engineering, ODA-800728-NE

(Title)

Any Alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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Supplemental Type Certificate
 (Continuation Sheet)

Number ST02648NY-D

Issuance Date: November 19, 2009

Limitations and Conditions (continued):

4. This STC is for provisions for an Electronic Flight Bag defined as a Class 2 hardware per AC 120-76A
5. Caution – EFB provisions limitation: no equipment containing rechargeable lithium batteries may be connected to aircraft electrical power
6. This modification may not be installed after August 30, 2010 unless (1) previously approved electrical wiring interconnection system (EWIS) instructions for continued airworthiness (ICA) have been evaluated and determined to be adequate for this installation by the FAA, or (2) revised EWIS ICA have been approved by the FAA Oversight Office. (Refer to §26.11)

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Boeing 727 Series aircraft with this STC is as follows:

- a. The type certification basis for Boeing 727 Series airplanes is shown on TCDS A3WE for parts **not changed or not affected** by the change.
- b. The certification basis for parts **changed or affected** by the change since the reference date of application, Aug. 16, 2009 is based upon part 25 as amended by Amendment 25-122. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be as shown on the TCDS A3WE except the regulations listed below:

Section	Title	At Amendment
25.807	Emergency exits	25-114
25.813	Emergency exist access	25-116
25.831	Ventilation	25-116
25.853	Compartment interiors	25-116
25.869	Fire protection; systems	25-113
25.981	Fuel tank ignition prevention	25-102
25.1307	Miscellaneous equipment	25-72
25.1309	Equipment, systems, and installations	25-41
25.1351	General	25-72
25.1353	Electrical equipment and installations	25-113
25.1355	Distribution system	25-38
25.1431	Electronic equipment	25-113
25.1529	Instructions for Continued Airworthiness	25-54
25.1557	Miscellaneous markings and placards	25-72
25.1581	General	25-72
25.1583	Operating limitations	25-105
25.1585	Operating procedures	25-105
26.11	EWIS	26-0
26.47	AASR	26-1

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